ABSTRACT

A method is described for enhancing a trail/path protection function in a SDH/SONET network, the network comprising a number of working resources and a number of protection resources and transmitting signal frames having a section overhead in SDH technology, or a Line OverHead in SONET technology, and a POH, said protection function comprising linear MSP N:1 trail protection function based on transmission of protection information through K1 and K2 bytes of Section OverHead in SDH or Line OverHead in SONET, wherein the method further comprises the step of mapping the content of said K1 and K2 bytes by protocol exchange into POH bytes of the path overhead in SDH or SONET, at Low Order and/or High Order level, so as to allow the handling of more than one protecting resource shared among different working resources, both in end-to-end handling and in intermediate handling.

(Fig. 2)